IMPORTANT:
Go to www.extron.com for the complete user guide, installation instructions, and specifications before connecting the product to the power source.

DTP T EU and DTP T MK • Setup Guide

This guide provides instructions for an experienced installer to install any of the Extron DTP T EU 332, DTP T EU 232, DTP T MK 332, or DTP T MK 232 switching transmitters into an EU or MK two-gang junction box or European cable channel system and to make all connections.
The transmitters switch between one analog video and one digital (HDMI) video input and, paired with a compatible receiver, can extend the selected signal up to 330 feet (100 m) (DTP T EU 332 and DTP T MK 332) or 230 feet (70 m) (DTP T EU 232 or DTP T MK 232).

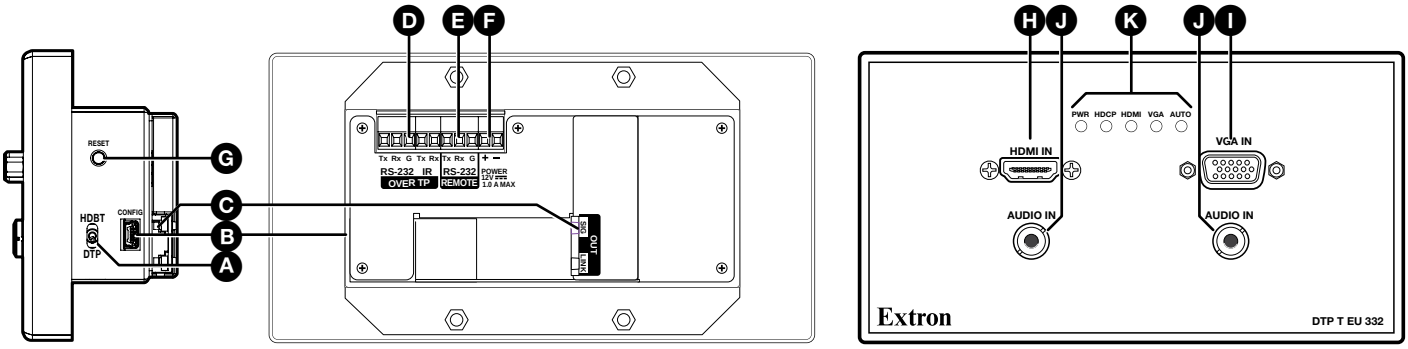


Figure 1. **DTP T EU and DTP T MK Unit Features (DTP T EU 332 Shown)**

Rear and Side (Make connections before installation)		Front (Make connections after installation)
A TP function switch	E Remote RS-232	H HDMI input
B Configuration (USB)	F DC power input	I VGA Input
C DTP output	G Reset button	J Audio input
D RS-232/IR Over TP output		K LEDs

Installation

Planning

CAUTION: Failure to check these items may result in personal injury or property damage.

ATTENTION : La non-vérification des éléments listés ci-dessous peut provoquer des blessures ou dommages matériels.

- ☐ Check that the installation meets the building, electrical, and safety codes.
- ☐ Ensure there is enough space in the junction box or Euro channel for the DTP transmitter, cables, and rear panel connectors when the DTP transmitter is completely connected and mounted.

NOTE: The transmitters require 36 mm (1.4 inch) minimum depth.

Mounting and Cabling

For additional mounting details and considerations, see the *DTP T EU 332, DTP T MK 332, DTP T EU 232, and DTP T MK 232 User Guide* at www.extron.com).

Step 1 — Install the junction box or Euro channel

Install the appropriate junction box or Euro channel according to the requirements of the manufacturer (refer to the manufacturer for more details). This may require creating an opening in the mounting surface. If so, consider the following:

- For accuracy, use a template or the mounting enclosure to mark cut guidelines.
- To avoid making an opening too big, cut inside the marked guidelines.

Step 2 — Install the mounting plate

For the DTP T EU units, use four long mounting screws to attach the mounting plate to the junction box (see figure 2, ❷).

For the DTP T MK units, use two long mounting screws to attach the mounting plate to the junction box (see figure 3, ❷).

NOTE: For installation into a Euro channel, refer to the manufacturer of the Euro channel for any additional installation requirements.

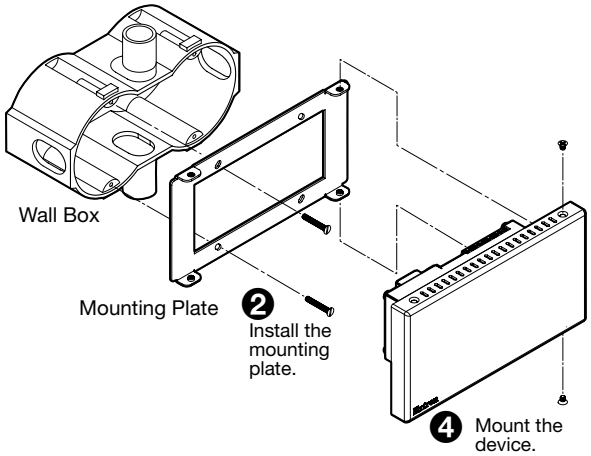


Figure 2. **DTP T EU Unit Installation Diagram**

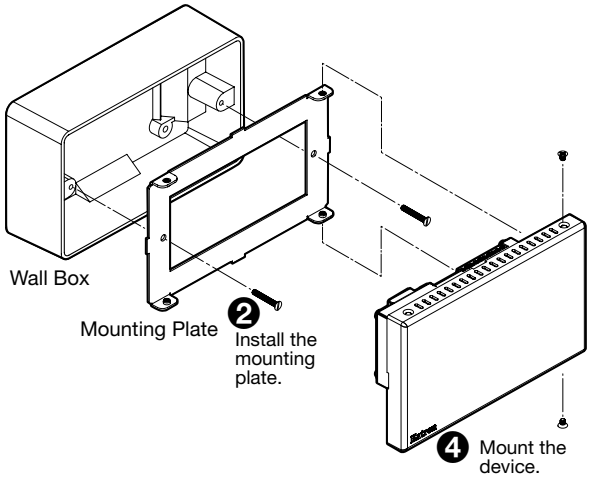


Figure 3. **DTP T MK Unit Installation Diagram**

Step 3 — Set the TP function switch and make rear and side panel connections (see figure 1 for ● numbers)

Ⓐ TP function switch —

If the receiving device is in the Extron DTP series, set this switch to **DTP**. The TP output consists of HDMI with embedded audio, analog audio, RS-232 and IR, and remote power. The transmitter and receiver can be powered by one 12 VDC power supply connected to either unit.

For an HDBaseT-enabled receiver, set this switch to **HDBT** position. The TP output consists of HDMI with embedded audio plus RS-232 and IR. The transmitter and receiver each requires its own 12 VDC power supply.

ATTENTION:

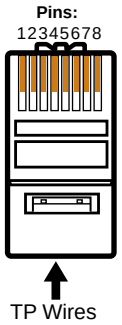
- Position this switch **BEFORE** connecting the appropriate device to the TP connector. Failure to comply can damage the endpoint.
- Positionnez le sélecteur **AVANT** de connecter l'appareil approprié au connecteur TP. Ne pas respecter cette procédure pourrait endommager le point de connexion.

Ⓑ Configuration port — Plug a PC or other controlling device into the switching transmitter via this mini-USB connector for remote configuration of the switching transmitter.

Ⓒ Out port— Connect the Out (RJ-45) port to the DTP In port on the receiver. Extron recommends that you terminate both cable ends in accordance with the following, at a minimum: TIA/EIA T 568B and 24 AWG, solid conductor, shielded cable with 400 MHz bandwidth.

ATTENTION:

- Do not connect this connector to a computer data or telecommunications network.
- Ne connectez pas ces port à des données informatiques ou à un réseau de télécommunications.



Pin	TIA/EIA T 568B Wire color
1	White-orange
2	Orange
3	White-green
4	Blue
5	White-blue
6	Green
7	White-brown
8	Brown

Signal LED indicator — Lights when the device is transmitting a video signal or a test pattern.

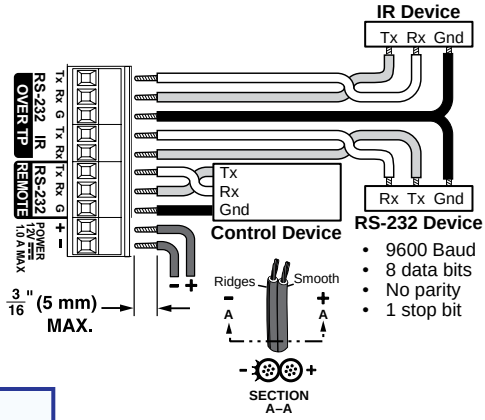
Link LED indicator — Lights when a valid link between a DTP or HDBT input and output is established.

Ⓓ Over TP connector — To pass serial and infrared data or control signals on the Over TP RJ-45 output, connect the controlling device to the transmitter via the RS-232 and IR captive screw connector as shown at right. Connect the devices to be controlled to the receiver.

Ⓔ Remote RS-232 port — For serial RS-232 control, connect a host device or control system to the 3.5 mm, 3-pole captive screw connector. The wiring and protocol are shown at right.

Ⓕ Power — Connect the included 12 VDC power supply to either unit, transmitter or receiver, as shown at right. Use the included tie-wrap to strap the cord to the captive screw connector.

Connect an IEC power cord between the power supply and a 100-240 VAC, 50-60 Hz source.



NOTE: If the TP switch (Ⓐ) is in **DTP**, one power supply can power both units. If the switch is in **HDBT**, each unit requires its own power supply.

Step 4 — Mount the device

Using the provided screws, attach the device to the four mounting flanges on the mounting plate (see figure 2 or figure 3 on the previous page..

Step 5 — Make front panel (input) connections (see figure 1 for ● numbers)

Ⓗ HDMI input port — Connect an HDMI cable between this port and the HDMI output port of the digital video source.

NOTE: See **LockIt® Lacing Brackets** on the next page to securely fasten the HDMI connector to the transmitter.

Ⓘ VGA Input port — Connect a VGA cable between this port and the VGA output port of the analog video source.

Ⓙ Audio input — Connect an unbalanced stereo audio source to this 3.5 mm mini stereo jack for an analog audio input.

NOTE: Analog input audio is not embedded in the HDMI signal; it is transmitted separately and is present for any selected input.

Operation

After all connected devices are connected and powered on, the system is fully operational. If any issues arise, verify that the cables are routed and connected properly. The switching transmitter can be configured and controlled using Extron Simple Instruction Set (SIS) commands and Product Configuration Software (see the *DTP T EU 332, DTP T MK 332, DTP T EU 232, and DTP T MK 232 User Guide* at **www.extron.com**).

Indicators (K, see figure 1)

Power LED — Lights when power is applied.

HDCP LED — Lights when the HDMI input signal is encrypted.

HDMI LED — Lights when the HDMI input signal is detected.

VGA LED — Lights when the VGA input signal is detected.

Auto LED — Lights when device is in auto switch mode. Auto switch is on by default.

When auto switch is on, the switcher automatically selects the input, HDMI or VGA, that has a valid signal present. When signals are present on both inputs. the switcher selects VGA.

NOTE: Auto switch mode can be toggled off and on using the SIS commands. Issue the Esc*n*AUSW← SIS command, where *n* = Ø (off) or 1 (on). The switcher responds with Aus*w*n↵. See the *DTP T EU 332, DTP T MK 332, DTP T EU 232, and DTP T MK 232 User Guide* at **www.extron.com**, for details.

Rest button (G, see figure 1)

This recessed button initiates two levels of reset. See the *DTP T EU 332, DTP T MK 332, DTP T EU 232, and DTP T MK 232 User Guide* at **www.extron.com**, for details.

LockIt® Lacing Brackets

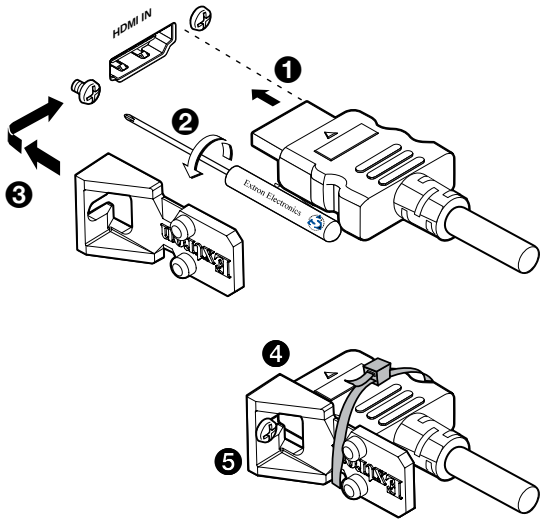
Use the included LockIt Lacing Brackets to securely fasten the HDMI cable as follows.

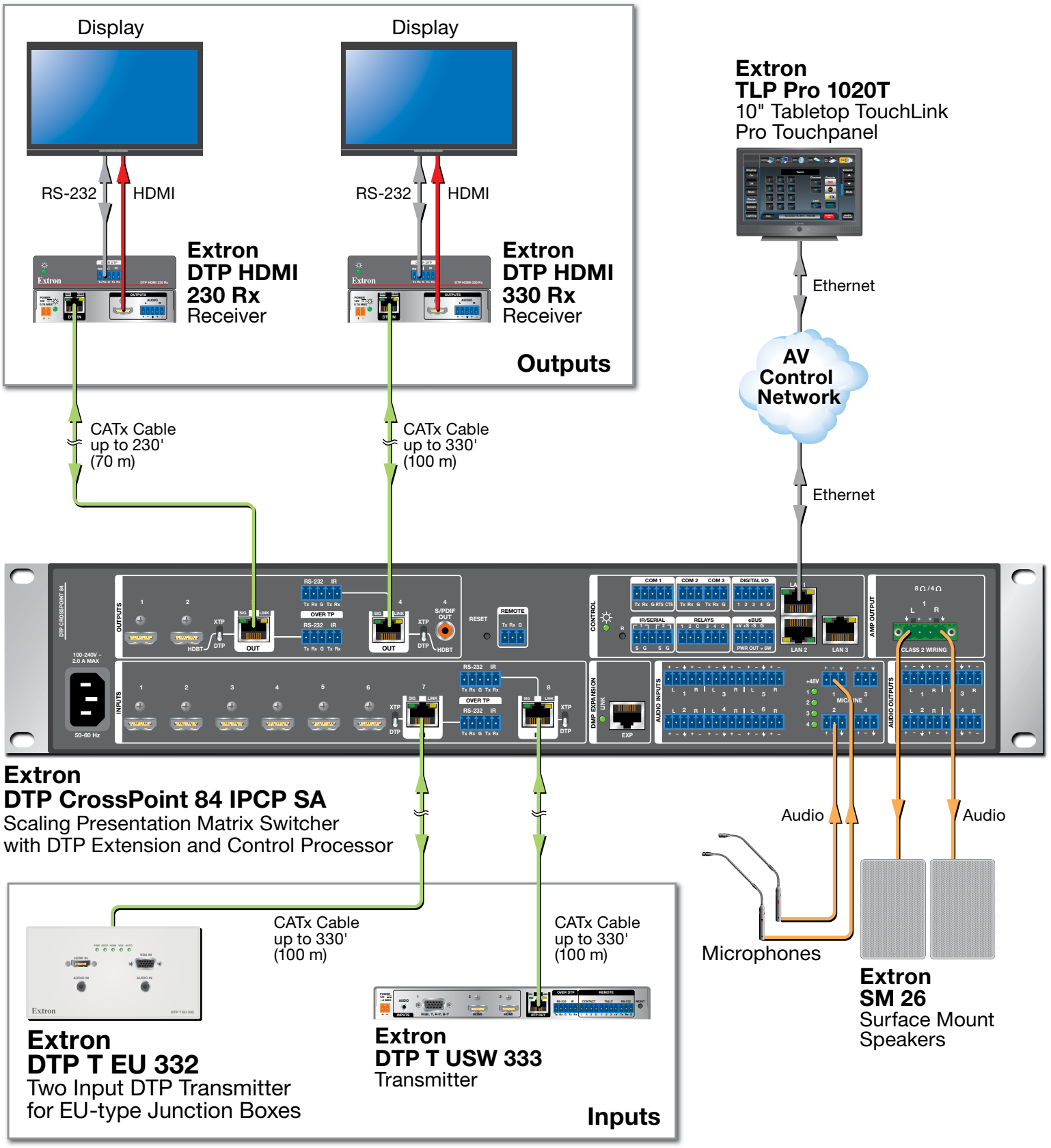
1. Plug the HDMI cable into the panel connection.
2. Loosen the HDMI connection mounting screw from the panel enough to allow the LockIt lacing bracket to be placed over it. The screw does not have to be removed.
3. Place the LockIt lacing bracket on the screw and against the HDMI connector, then tighten the screw to secure the bracket.

ATTENTION:

- Do not overtighten the HDMI connector mounting screw. The shield it fastens to is very thin and can easily be stripped.
- Ne serrez pas trop la vis de montage du connecteur HDMI. Le blindage auquel elle est attachée est très fin et peut facilement être dénudé.

4. Loosely place the included tie wrap around the HDMI connector and the LockIt lacing bracket as shown.
5. While holding the connector securely against the lacing bracket, use pliers or similar tools to tighten the tie wrap, then remove any excess length.





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